

Appln. No. 10/677,966
Docket No. 14XZ126398/GEM-0171

REMARKS / ARGUMENTS

Status of Claims

Claims 1-41, 43-54 and 56-60 are pending in the application. Claims 1-26, 31-34, 39-41, 43-54, 56 and 57 stand rejected. Claims 27-30, 35-38 and 58-60 are objected to as being dependent upon a rejected claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant has canceled Claims 58-60, and has amended Claims 1, 2, 4, 56 and 57, leaving Claims 1-41, 43-54 and 56-57 for consideration upon entry of the present Amendment.

Applicant respectfully submits that the rejections under 35 U.S.C. §102(a) and (e) have been traversed, that no new matter has been entered, and that the application is in condition for allowance.

Objections to the Specification

The disclosure is objected to in paragraph [0030] for reasons relating to an alleged typographical error.

Applicant respectfully disagrees with the objection for the following reasons.

At paragraph [0011], Applicant states: "...a weighting is performed on the coefficients $U(k,l)$ of a first convolution core with a dimension D , equivalent to a low-pass filter, as a function of a coefficient G ..."

At paragraph [0030], Applicant states: "A convolution curve is a square matrix comprising D^2 coefficients written as $U(k,l)$ with k and l belonging to the interval $[-(D-1)/2, ((D-1)/2]$."

As such, the "convolution core" has a dimension D , while the convolution curve comprises D^2 coefficients relating to a defined function with variables belonging to a defined interval. Thus, Applicant submits that the term "convolution curve" in paragraph [0030] is not a typographical error, as it is intended to describe a square matrix comprising D^2 coefficients.

Appln. No. 10/677,966
Docket No. 14XZ126398/GEM-0171

Accordingly, Applicant respectfully requests the Examiner to reconsider and withdraw this objection, which Applicant considers to be overcome.

Objections to the Claims

Claims 2-4 are objected to for reasons relating to informalities.

Applicant has amended Claims 2 and 4 as set forth above, and as suggested by the Examiner with respect to Claim 2, and as supported by paragraph [0041] with respect to Claim 4, to overcome these objections.

Accordingly, Applicant respectfully requests the Examiner to reconsider and withdraw these objections, which Applicant considers to be overcome.

Rejections Under 35 U.S.C. §102(a) and (e)

Claims 1-26, 31-34, 39-41, 43-54 and 56-57 stand rejected under 35 U.S.C. §102(a) and (e) as being anticipated by Shaw (U.S. Patent No. 6,728,415, hereinafter Shaw).

Applicant traverses this rejection for the following reasons.

Applicant has canceled Claims 58, 59 and 60, and has incorporated the limitations thereof into independent Claims 1, 56 and 57, respectively.

In view of Claims 58, 59 and 60 being considered allowable, Applicant submits that Claims 1, 56 and 57, and all claims dependent therefrom, are now allowable for at least the reason that they now include the limitations of allowed Claims 58, 59 and 60, respectively.

Applicant has amended the claims for presentation in a better form that more clearly reflects Applicant's invention. The claim amendments should only require a cursory review by the Examiner as they only include language presented in earlier allowed claims.

In light of the foregoing remarks and amendments, Applicant respectfully submits that the proposed amendments and arguments comply with 37 C.F.R. §1.116 and should

Appln. No. 10/677,966
Docket No. 14XZ126398/GEM-0171

therefore be entered, and with their entry that the Examiner's rejections under 35 U.S.C. §102(a) and (e) have been traversed and that the application is now in condition for allowance. Such action is therefore respectfully requested.

If a communication with Applicant's Attorneys would assist in advancing this case to allowance, the Examiner is cordially invited to contact the undersigned so that any such issues may be promptly resolved.

The Commissioner is hereby authorized to charge any additional fees that may be required for this amendment, or credit any overpayment, to Deposit Account No. 50-2513.

In the event that an extension of time is required, or may be required in addition to that requested in a petition for extension of time, the Commissioner is requested to grant a petition for that extension of time that is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to the above-identified Deposit Account.

Respectfully submitted,

CANTOR COLBURN LLP

Applicant's Attorneys

By: 

David Arnold
Registration No: 48,894
Customer No. 23413

Address: 55 Griffin Road South, Bloomfield, Connecticut 06002
Telephone: (860) 286-2929
Fax: (860) 286-0115